A 18 THE SUN, Thursday, October 17, 1974

Hexagonal PBM CRT

A NEW PLAY-BY-MAIL SYSTEM

by Tom Oleson

Eventually most serious war-gamers get around to playing by mail (PBM), either because they have distant opponents, or they prefer to study each move at leisure. PBM can be done on the honor system, but even if you trust your opponent, you wonder how he can keep trusting you when you get a run of luck. You can also use a monitor, or a die-roll sheet such as that pioneered by one of the oldest wargaming clubs, AHIKS (whose president is Omar DeWitt, 78 Wickham Drive, Williamsville, NY 14221).

Probably the most common PBM method is referring to the sales-in-hundreds column of the daily New York Stock Exchange transactions list. This has one big disadvantage: the 6-digit die-roll results must be changed to a 10-digit basis to conform to the stock numbers. Not only can this alter the odds in the game, but some games, such as Anzio, do not have 10-digit chance tables.

To overcome this problem, there is a simple way to use the daily stock tables to generate 6-digit results. Virtually all sizable daily papers list N.Y.S.E. transactions. Some do not list them all, but that doesn't matter if you can send your opponent a photostat or the original copy. It is also usual to list the 10 or 15 most-active stocks.

In order to PBM using stock results on a 6-digit basis, follow this procedure:

1. Do your move, and list your attacks in the order desired, together with anything else needing a die roll, such as a weather table.

2. A day or two in advance, select a date for which you will use the stock results.

3. In order to generate the die rolls, you must pick a key stock on the *"most active"* list. Any one will do, but to remove any chance that you could predict which one it would be, don't pick above the 4th most active, say. Some news development might make the top stock somewhat predictable for a few days, but surely no one can precict the 5th most-active, or the 7th.

4. Mail your PBM turn.

5. On the day you have chosen, take the newspaper (as an illustration, I am using the *Baltimore Sun*), and check which stock fell in the "key-slot". In this case, I picked 9th most-active, which was Grand Union. Now find Grand Union in the overall stock listings. Draw a line below that stock on the list, and after each sixth stock thereafter (6th, 12th, 18th, 24th, etc.).

6. This gives you a random series of six stocks sufficient for the die-rolls needed for virtually any game. Each group of six represents a single die-roll. The stock with the highest *closing price* determines the result. For example, in the first group of six, the last stock (GtNNek) has the highest price, so the roll generated is a 6. In the second group, the high stock is Gt Wn Unit, No. 2, hence die roll 2, and so forth.

7. Note that this is a completely random digit generator. If a group of six stocks has more than one stock tied for highest closing price, you can either discard that group, or agree on tie-breakers, such as the stock with most volume.

8. In the event that both players do not have access to the same paper, which is probable, then they must either determine that both papers list all stocks, or they must exchange a verifying copy.

9. Usually, but not always, stock data is accurately reported, but in the case of a discrepancy, a good solution is to agree that the *Wall St. Journal* will rule, as it is available in libraries and brokerage houses all over the country. Of course, the problem of discrepancies is not any different when using the 10-digit system.

Personally, I think it's a bit of a nuisance to shift to a 10-digit system. If you agree, here's your answer.

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Dow Jones Averages

	Open	High	Low	Close	Net
30 Indust.	651.36	660.51	636.97	642.29	—16.11
20 Transp.	146.90	148.25	144.00	145.00	— 2.40
15 Utilities	69.47	70.10	68.35	69.08	— 0.67
65 Stocks	207.87	210.37	203.59	205.29	— 4.21

te New York Stock Exchange

What N.Y. Stocks did

	Today	Prev. day
Advances	461	440
Declines	954	1048
Unchanged	345	339
Total issues	1760	1827
New 1974 highs	6	6
New 1974 lows	12	18

N.Y. exchange index

Market	—36 cents
Index	37.12 —0.55
Industrial	40.30 —0.67
Transportation	27.69 —0.41
Utility	27.43 —0.19
Finance	39.40 —0.53

Share sales yesterday 14,790,000.

15 most active stocks

STOCKS	Sales	Close	Net Chg.
Xerox Cp	489,400	64½	—5¾
Masonite	386,200	14½	—2¾
Goodyear	265,100	13⅜	— ⅜
ImpCpAm	228,100	6⅞	— ⅛
East Kodak	224,700	64½	—8⅞
Fedders	145,800	3¾	— ¼
Polarid	145,100	19½	+ 1⅛
Westgh El	141,000	9⅜	— ⅜
Grand Un	131,500	8⅜	— ⅜
Pan Am	128,400	2⅝	— ⅛
Upjohn Co	123,800	44⅞	—5⅛
McDonald	117,200	30⅛	+ 1¼
RCA	116,500	11	— ¼
Am Home	107,800	33⅜	— ⅛
Amer Hess	105,400	18⅛	+ ½

	Sales				Net
	PB	hds	High	Low	Close	Chg.
KaufBrd .16	...	296	3⅛	3	3	— ⅛
Kauf pf1.50	...	2	10¼	10¼	10¼+	¼
Kaweckl .40		5	10½	10½	10½+	¼
KayserR .60		6	5	9¾	9½	9½—	¼
KeeneCp .10		4	8	2⅞	2¾	2¾—	⅛
Keller .50		4	4	6⅜	6¼	6¼	
Kellogg .60		15	18	14¼	13⅞	13⅞—	¼
Kellwood .80		4	8	10⅛	10	10	— ⅛
Kennmt 1.40		5	18	28	27½	28 +	¾
Kennect 2.60		5	179	32⅛	31¾	31⅞—	1
KvUtil 1.74		7	22	16¼	16¼	16¼—	⅛
KerrMcGe 1		16	208	61	59⅜	60½	
KeystCon 1a		3	10	17⅜	17⅜	17⅜—	⅜
Kidde .60		3	45	9⅞	9¼	9¾—	⅛
KimbCl 1.44		5	84	22⅜	22¼	22¾—	⅛
KingDSt .40		4	134	4⅝	4½	4½—	⅛
KirschCo .90		5	3	11¾	11¾	11⅝—	⅛
KLM Airlin		1	16½	16½	16½—	¼
KnightN .32		9	27	19½	19⅛	19⅛—	½
Koehrg .30p		5	13	6¼	5⅞	5⅞—	⅛
Koppers 2.40		5	5	43⅜	43¼	43¼+	⅛
Koppr pf 4		...	250	46	45	46	+2
Kraftco 1.92		10	63	34	32⅜	34	+1⅛
KresgeS .22		20	890	24½	23½	24⅜—	¼
Kroger 1.36		6	28	17⅛	16⅞	16⅝—	⅜
Kysor .80		4	5	7⅛	7	7	

L

LacGas 1.56	9	4	15½	15⅜	15⅜
LamSess 1b	3	27	19⅞	19½	19½—
LaneBry .72	5	16	10	9⅞	9⅞—
Larwin .84p	2	13	3⅜	3¼	3¼
Latrobe .10r	5	54	7	6¾	6¾—
LearSieg .28	4	30	4⅜	4¼	4¼
LearS pf2.25	...	3	19⅜	19½	19½—
Leasvy .60b	5	6	13⅜	13¼	13⅜+
LeedsN .50	6	7	9⅜	9⅜	9⅞—
Leesona .50	2	8	8¾	8⅝	8⅝—
LehPCt .80a	4	7	11⅛	11	11
LehVal Ind	6	18	15–16	⅞	⅞

	Sales				Net
	PB	hds	High	Low	Close	Chg.
Deseret .25		10	99	9	8⅜	8¾+	½
DeSotoIn .60		5	33	6	5¾	6	
DetEdis 1.45		7	178	11	10⅝	10⅝—	⅜
Dpl E pf9.32		...	z220	79	77½	79	+3½
Det E pf7.45		...	z500	58½	58⅛	58⅝—	½
Det E pf7.36			z50	57½	57½	57½+	½
Det E pf5.50		...	5	45½	45½	45⅛—	⅛
Dexter .36		7	15	11½	11½	11½+	⅛
Dial FIn! .54		6	5	8¾	8¾	8¾+	⅛
Diamint 2		5	38	23⅝	23	23	— ⅛
DiamSh 1.20		5	165	23¾	22¾	23⅛—	⅛
Dia Sh pfC 2		...	2	28¾	28¾	28¾—	¼
Dia pf D1.20		...	6	14⅜	14⅛	14⅛	
DickAB .52		5	8	10	9⅞	10	+ ⅛
Diclaphn .60		6	174	8⅞	8½	8¾+	⅛
Diebold .40b		8	29	16⅜	15½	15⅞—	⅛
DiGiorg .66		5	84	5¼	5	5	— ⅜
Digital Eqpt		15	341	60⅞	57⅞	58	—1½
Dillingm .40		4	50	5	4¾	4¾—	⅛
Dillon 1.20b		11	17	26	25⅝	26	+ ⅜
Disney .12b		15	691	26	24½	24½—	1
Disston .12		3	24	57⅛	55⅜	57⅛+	1¼
DistSeag .80		13	31	31⅛	30⅜	31⅛+	⅛
Diversfd In		4	17	1¾	1⅝	1¾—	⅛
DivMt 1.56e		1	133	3½	3	3 —	½
DrPeppr .30		17	227	9⅜	9	9¼+	⅛
DomeMn .80		14	63	48¾	47	47¾—	1
DonLufJ .10		...	2	21½	21½	21½	
Donnelly .56		11	69	20½	20¼	20¼—	⅜
Doric .32b		4	26	17¾	17⅜	17⅜—	¼
Dorr Oliver		4	5	5⅛	5⅛	5⅛—	⅛
Dorsey .10		5	34	5½	5¼	5½+	¼
Dover 1.20		7	10	30⅜	29⅝	30⅜+	⅜
DowCh 1.20		11	437	62¼	59¼	60⅝—	1
DPF Inc		...	20	2¾	2⅝	2⅝+	⅛
Dravo 1.60		8	1	33⅛	33⅛	33⅛	
Dresser 1.40		11	95	42⅜	41⅛	42⅜+	⅛
Dres pf 2.20		...	7	43¾	42½	43¼—	¼
Drssr Ind 2		...	6	39⅛	39⅛	39⅛—	1
DrexBd 1.44		6	28	14⅛	13¾	14⅛—	⅛
Dreyfus .60		6	17	5⅛	4⅞	5⅛+	⅜
Duk Pw 1.40		7	195	13	12¼	12⅝+	⅛
Duke pf8.70		...	z10	77	77	77	+1¼
Duke pf7.80		...	z150	67¾	67	67¾+	1¾
Duke pf6.75		...	6	58	58	58	—2
DunBrad .96		14	94	22⅞	21⅜	21¾—	⅛
Duplan Cp		18	1	2⅛	2⅛	2⅛—	⅛
duPont 6e		9	393	109½	106	107	—1½
duPnt pf4.50		...	11	58		57½	57½—	¼
DuqLt 1.72		6	255	15	15	15	
DuqLt 4.75pf		...	z100	20	20	20	
DuqL pf2.75		...	z1000	25⅜	25⅜	25⅜+	⅛
Dymoln .40		4	3	8	7⅞	8	

E

EagtPic 1.04	4	3	15⅜	15⅜	15⅝+	¼
EascoCp .40	4	4	10½	10⅛	10⅛—	¼
EastAir Lin	...	114	5⅞	5⅜	5⅜—	⅛
EastGs .30r	5	68	17⅞	17⅜	17½—	⅜
EastUtl 1.50	9	5	10⅞	10⅜	10⅜—	¼
EasKod 1.56	16	2247	72⅛	64½	64½—8⅞	
Eaton 1.80	5	11	27⅞	23¼	23¾—	⅜
Echlin .38	14	15	20	19½	19¾—	¼
EckrdJk .24	10	103	12⅜	12	12¼+	⅜
Eckd NC .28	6	4	8⅛	7⅞	7⅞—	⅛
EdisBro 1.32	5	1	19½	19½	19½—	⅛
EG&S .12	10	42	9⅛	8¾	9 +	¼
Elec Assoc	...	18	2		1⅞	1⅞—	⅛
EDS .35e	10	62	12½	11⅞	12½+	¾
El Mem Mg	3	20	1⅞	1¾	1¾—	¼
EMM pf.75k	...	1	5½	5½	5½	
Elgin Natl	...	11	8⅜	8¼	8⅜+	⅛
Elixir Ind	33	24	3	2¾	3	
ElPasoCo 1	4	87	10¾	10½	10¾+	⅛
ElTraCp 1.50	4	16	20¼	19⅝	19⅞—	⅛
EmerEl .70	16	283	27	26⅜	26¾—	⅜
EmeryA .96	22	99	34½	33¾	33¾—	1⅛
Emerytn .34	6	23	8⅜	7¾	7¾—	¼
Emhrt 1.30a	4	33	15⅛	14¾	14⅞—	⅛
EMI Lt .13e	4	2	1⅞	1⅞	1⅞—	⅛
EmpDE 1.28	7	4	12⅛	12⅛	12⅛	
EmD 5pf.50	...	z10	4¾	4¾	4¾+	½
EmpFin .571	7	54	9½	8⅞	9¼+	⅜
Empire Gas	2	11	6⅛	6¼	6¼	
EmpIhdM .60	5	30	15⅛	14⅞	15⅛	
EnnisBu .32	4	5	5½	5¼	5½+	¼
Entex 1.20	5	4	15	14¾	14¾—	⅜
Enwjrotech	7	6	10⅞	10⅞	10⅞+	¼
Equimrk .88	5	6	10¾	10½	10¾	
EquitGs 2.40	5	3	23⅞	23⅞	23⅞+	¼
EquiLf 2.01e	7	19	13⅞	13⅝	13¾—	⅛
Esmark 1	5	67	26	25⅝	25⅞—	⅛
Esquire .32	3	1	5	5	5	
Esterline .30	7	7	3⅞	3¾	3¾—	¼
EthylCp 1.20	4	59	23	22⅞	23	+ ¼
Ethyl pf2.40	...	7	32¾	32½	32½—	⅛
EvansPd .60	3	657	3⅞	3½	3¾—	⅜
ExCelO 1	5	10	12¾	12½	12¾—	¼
Excelsr 1.68	...	9	18		17¾	17¾—	¼
Exxon 4.70e	5	395	66		64¾	64⅞—	1⅛

F

Fabrge .40	3	30	5¼	5⅛	5¼	
FairCam .80	4	261	25	23⅜	23⅝—	⅛
Fairind .30	6	27	4⅜	4¼	4¼—	⅛
FairmtF .60	5	7	7½	7¼	7½+	¼
FamlaI Brw	...	8	21¼	21⅛	21¼+	⅛
Fansteel .40	4	4	8⅜	8⅜	8⅜—	¼
FarWtF .44t	5	12	4⅛	4½	4½—	¼
Farah Mfg	...	14	6		5¾	5¾—	¼
Fedders .50	...	1458	4		3	3¾—	¼
FederalCo 1	4	3	11⅝	11⅝	11⅝—	⅛
FedMog 1.80	6	27	16⅞	16¼	16¼—	⅜
FedNMt .68	6	417	14¼	13¾	14	
FedPap 1.20	3	2	18½	18½	18½	
FedSign .30	3	1	4¼	4¼	4¼—	⅛
FedDSt 1.16	9	102	23⅜	23⅛	23⅛—	¾
FerroCp 1	3	11	17		16¾	17	----
Firebrd .90	3	15	14¾	14	14	—	⅛
Fid Mtg Inv	...	16	2¼	2⅛	2⅛—	⅛
FidUn 2.20b	5	10	25¼	24¾	25¼+	¼
FieldtM 1.40	4	23	13¼	12⅞	12⅞—	½
FiltrolCp .60	4	2	7½	7½	7½+	⅛
FinlFed .60	3	21	8¼	7⅞	8⅛	
Firestn 1.10	6	157	14¾	14¼	14⅜—	¼
FstChar .91t	6	457	8	7¾	7¾—	⅛
FstChic .90	8	157	21¾	21	21½—	⅜
FstIntlBnc 1	11	32	32⅜	31⅞	32⅜—	¼
Fst Mtg .25p	...	34	2		1⅞	2 +	⅛
FstNBo 1.88	6	47	26⅜	25½	26⅛	
FstNStBn 2	6	2	21¾	21¾	21¾—	⅛
FstPa 1.32	5	81	16⅜	16	16 —	⅜
FPaMt 1.95e	4	16	5¼	4⅝	5¼+	½
FstU RE .96	11	14	8¼	8⅛	8⅛	
FstVaB .45e	6	83	5	4¾	4⅞—	⅛
FWisCp 1.76	8	3	14⅜	14⅛	14⅜	

G

GoodyrTR 1	5	2651	14¼	13½	13⅜—	⅜
GorJwlA .32	4	2	7	7	7	
Gouldin 1.10	5	31	18¾	17¾	18 —	⅜
Gould pf1.35	...	40	15⅛	14⅞	15 —	⅜
Grace 1.60	6	94	22⅜	21⅞	22 —	⅜
GrandUn .80	25	x1315	9	8¼	8⅜—	⅜
GranIW .30p	39	85	3¼	3⅛	3⅛—	⅛
GrayDrg .40	3	10	6½	6¼	6½	
GtAMI 2.57e	8	40	3	2¾	2⅞—	⅛
Gt A&P .45e	8	37	9⅜	8⅞	8⅞—	⅜
GtNolr 1.10e	12	2	12¼	12¼	12¼+	¼
GtNNek 1.80	41	1	41½	37¾	40⅞+	2
GtWnFin .40	5	378	11⅜	11⅜	11¾+	⅜
Gt Wn Unit	2	271	18⅜	17½	18¼	
GWn pf5.17k	...	586	18½	18	18 —	½
GrGlant 1.08	5	6	15⅜	15¼	15¼	
Greyh 1.04a	6	272	12	11⅜	11⅜—	⅛
Greyhnd wt		17	2	1⅞	1⅞—	⅛
Groller .17p	...	104	1⅞	1½	1½—	¼
Grumm .30p	4	15	11⅜	11⅛	11⅜	
Guarin .10e	7	20	10¼	9⅞	9⅞—	½
GuaMI 2.32p	3	51	4	3¾	4	
GtLkTHd .50	4	103	6¼	6	6⅛—	⅛
GtMAtg 1.34e	3	40	3¼	3⅛	3⅛	
GulfOil 1.60	4	435	18⅜	18	18 —	½
Gulf Resrce	3	27	8	7¾	7¾—	⅛
GtR pfB1.30	...	7	13¼	13¼	13¼—	½
GtSUtl 1.12	7	156	10⅞	10¼	10⅜—	⅛
GtWNk .80	4	69	20¾	20	20⅛—	⅛
GtWInd wt	...	32	1¼	1	1¼+	⅛
Gulton Ind	10	15	2⅛	2	2 —	¼

H

Hack W 2.48	7	1	25¼	25¼	25¼	
HallFB .44	8	36	9	8⅞	8⅞—	⅜
HallPrt .80a	4	34	12¼	12	12 —	¼
Hallibtn 1.20	21	390	131½	123½	130¼+	5¼
HammPap 1	3	27	16⅛	15⅝	15⅝—	⅜
Hammon .40	5	11	7	6¾	6¾—	¼
Handimn .40	8	22	3⅜	3⅜	3⅜—	⅛
HandyH .80	8	3	22⅛	22⅛	22⅛—	¼
HanesCp .60	3	42	7¼	7	7 —	⅛
Hanna 1.35	13	26	24⅛	23⅞	23⅞—	½
Harcort 1.12	6	10	13¾	13½	13¾+	¼
Hardee .04b	...	6	3⅞	3¾	3¾—	⅛
Harinsf 1.40	4	6	23¾	23½	23½—	¾
Harrahs .22	8	5	10¼	10	10¼+	¼
Harris 1.20	5	13	14¼	14	14¼+	¼
Harsco 1b	4	48	11¼	10¾	10⅞—	⅛
HartSMx .88	5	51	7¾	7¾	7¾	
HatSec 1.47e	...	8	15⅛	15⅛	15⅛	
HawiEl 1.56	7	34	17¾	17	17⅝+	⅜
HCA Marlin	4	28	11⅜	10½	11⅜+	⅜
Hecks .12	4	31	6⅛	5⅞	6 —	⅛
HeclaM .50l	10	31	14	13¾	13¾—	¼
Heilemn .48	5	5	7⅞	7⅜	7⅜+	⅛
HeinzH 1.12	9	9	34⅜	34⅛	34⅛—	¼
Helene Curt	4	3	2⅜	2¼	2¼—	⅜
HellerInt .84	11	10	27¼	26⅜	27	
Hller pf4.07	...	1	116½	116½	116½+	30⅜
HelmeP .60	...	29	6	5⅜	5⅜—	¼
HelmrhP .24	9	98	27½	26	26¾+	⅜
Helmrich Cp	...	3	19⅜	19⅜	19⅜	
Hercules .80	13	427	35¼	33¼	33¼—	¾
HershFd .80	8	3	10¼	10⅛	10¼	
Hesston .32	5	11	18½	18	18	
Heublein 1	9	96	22¾	22	22⅜—	⅜
HewlPk .20	24	325	68½	66¾	67	—1½
High Voltg	10	9	5	4¾	5	+ ⅛
Hillenbd .60	6	8	13⅜	13	13⅛—	⅜
Hilton Htl 1	5	6	11⅝	11⅜	11⅜—	¼
HMW Ind	5	4	5	2½	2½	+ ¼
Hobart .72	7	17	13⅜	13½	13½+	⅛
HoernW .60	4	7	9½	9½	9½	
Hoff Elctrn	12	8	3⅝	3¾	3¾—	⅛
Holiday .32	6	142	7½	7	7⅜—	⅛
HollySug 2	9	134	30⅞	29	30½+	1¾
Homestk 1a	14	139	40¾	39⅝	40⅜	
Honywll 1.40	5	365	28¾	27¼	27¾—	⅞
HoovBll 1.28	5	8	16	15	16	+ ⅛
Horizon Cp	3	18	2⅜	2½	2⅜—	⅛
HospAff .371	4	6	6⅜	6⅛	6⅛—	¼
HospCpA .16	5	53	7¾	7⅜	7¾+	⅛
HostInlt .36	6	33	7¾	7⅜	7¾ —	⅛
Houdail .80a	4	50	8¼	8	8	
HougMif .48	4	23	7⅜	7¼	7⅜—	⅛
HouFab .05e	8	83	6	5⅞	6	
HouseFin 1	11	72	12½	12⅛	12¼—	¼
HouF pf2.50	...	40	26½	26	26 —	½
HouF pf2.37	...	4	28½	28¼	28¼—	1¾
HousLP 1.56	8	151	26	25⅜	26	
HNGs .80	9	84	22¼	20¾	21⅜+	1¼
HowJohn .20	7	108	5¾	5½	5⅝—	⅛
Howmet 1	5	16	13	12½	12½—	¾
Hubbrd 1.60	9	21	14¼	14	14⅛+	⅛
HudsA 1.80a	3	3	18⅛	17⅜	17⅜—	¼
HughHat .40	5	4	3⅞	3⅝	3⅞+	⅛
Hughs Tl .50	17	226	54	51¾	53	+ ⅜
Humana	3	7	4⅛	4⅛	4⅛—	⅛
HuntCh .24	13	31	15½	15¼	15¼—	¼
HuthEF .40	6	22	7⅛	6⅞	7⅛+	⅛
Huyck .40	13	17	16¾	16½	16⅝+	⅛
Hydrom .20	4	2	6¼	6	6	

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ICN Pharm	...	38	2⅜	2¼	2⅜	
IdahoP 1.96		7	14	23½	23	23¼—	¼
IdealBasic 1		6	32	13⅞	13½	13½—	⅜
Ideal pf4.75		...	8	61½	58½	58½—3	
IdeaToy .15l		4	11	3¾	3⅝	3¾	
IDS RI 3.21e	3	5	38	14⅜	14	14¼—	¼
IllCent 1.30	4	107	14⅜	13⅞	14	—	⅛
IllCent pfA6		...	6	64⅜	64½	64⅜—	1⅜
IllCen pf3.50		...	18	30½	30	30½	
IllPowr 2.20		8	51	17	16¾	17	— ¼
IllToolW .50	1	12	35	24¼	23½	24¼+	¼
ImpCpAm		4	2281	7⅜	6	6⅞—	⅛
INA Cp 2.10		6	166	24¾	24¼	24¾—	½
INA In 1.56e		...	10	15¾	15⅜	15½+	⅛
IndianGas 2		...	3	17		16½	16½—	¼
IndolPL 1.82	4	8	22	17¼	16⅞	16⅞+	⅛
In PL pf6.25		...	1	63	63	63	—2
IndlNat 1.20		3	40	11½	11¼	11¼—	¼
Inexco Oil		9	427	6½	5¾	6¼+	½

Mutual

	Bid	Asked
AGE Fnd	3.69	3.77
Adm Grt	3.39	3.63
Adm Inc	2.93	3.21
Adm Ins	6.91	7.57
Advisrs	3.43	3.75
Aetna F	5.20	5.68
Aetna Shr	11.00	12.02
Afuture F	5.29	N.L.
AllAm Fd	.31	.34
AllState	6.94	7.46
Alpha	8.03	8.78
Amcap	3.12	3.41
Am Birth	9.68	10.64
Am Diver	unavail	
Am Equity	3.35	3.67
Amer Express:		
Capit	4.45	4.86
Incme	6.78	7.41
Invest	5.92	6.47
Speci	4.43	4.84
Stock	5.01	5.48
E&E Fd	2.39	N.L.
Eagle Gr	5.45	5.97
Eaton&Howard:		
Balan	6.75	7.38
Grwth	6.46	7.06
Incom	4.83	5.28
Speci	4.36	4.77
Stock	7.10	7.76
EDIE Spl	12.33	N.L.
Egtrel Gr	8.52	9.04
Elfun Tr	9.78	----
Energy	8.89	N.L.
Fairfld	5.61	6.13
Farm Bu	6.05	N.L.
Fed Reg	5.35	----
Fidelity Group:		
Bond	7.76	8.48
Capit	6.42	7.02
Contfd	7.03	----
Conv	5.71	----
Dstny	4.82	----